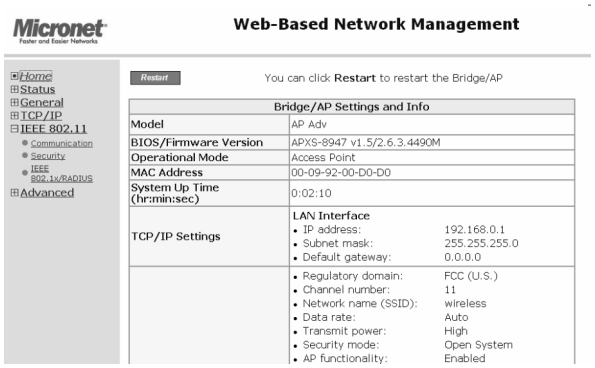
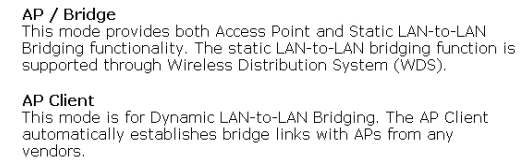
Step 2. After entering the correct login detail, the browser will forward the webpage to the setup page. Users can begin configuring the Access Point. For detail information, refer to the user manual.



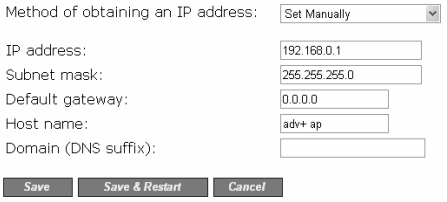
Quick Setup via Web-Based UI

Follow the following steps for quick setup of your wireless AP. Click **<Save>** at the bottom of each configuration interface to save changes. For details on parameters, please consult the User Manual document.

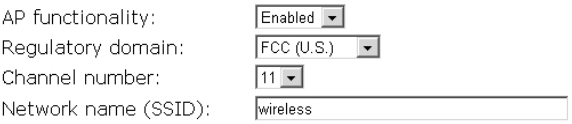
Step1. Go to the 'General' menu and click **<Operational Mode>** to select a mode for the AP.


AP / Bridge
This mode provides both Access Point and Static LAN-to-LAN Bridging functionality. The static LAN-to-LAN bridging function is supported through Wireless Distribution System (WDS).
AP Client
This mode is for Dynamic LAN-to-LAN Bridging. The AP Client automatically establishes bridge links with APs from any vendors.

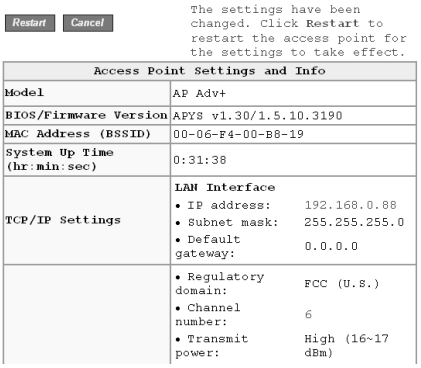
Step 2. Go to the 'TCP/IP' menu and click **<Addressing>** to alter the IP configuration for the AP.



Step 3. Go to the 'IEEE 802.11' menu and click **<Communication>** to set wireless parameters for the AP.



Step 4. After pressing **<Save>** on each page, the interface will be bought back to Start Page. The changes will be highlighted in red. Press **<Restart>** to apply the changes.

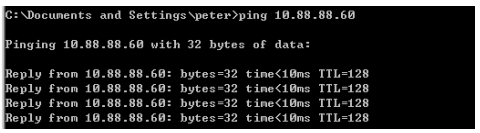


Antenna Alignment

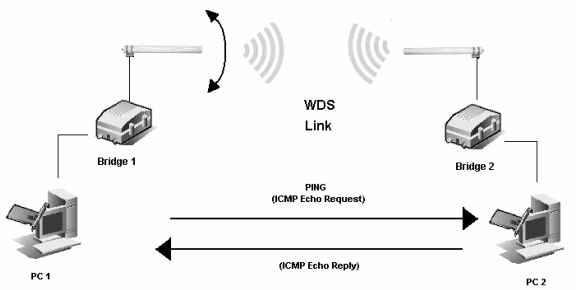
For configuring a pair of APs for dynamic or static bridging with high grain directional antenna, please follow the steps below.

Step 1. Connect each bridge to a computer via Ethernet and configure the data rate of each AP to the lowest value, 1Mbps.

Step 2. Fix the alignment of the antenna on one side. Run 'PING' function in DOS environment between the two APs. Response time from the 'PING' will indicate the optimal alignment.


C:\Documents and Settings\peter>ping 10.88.88.60
Pinging 10.88.88.60 with 32 bytes of data:
Reply from 10.88.88.60: bytes=32 time<10ms TTL=128
Reply from 10.88.88.60: bytes=32 time<10ms TTL=128
Reply from 10.88.88.60: bytes=32 time<10ms TTL=128
Reply from 10.88.88.60: bytes=32 time<10ms TTL=128

Step 3. Increase the data rate of both bridges until the maximum limit is reached for a stable connection. The data rate will be limited by distance and the gain of the antenna.



CE FC

P/N 2300-0507

Micronet®
Making Communication Easier

Quick Installation Guide

Wireless LAN Outdoor AP/Bridge

Model No.: SP915-1000

Web: www.micronet.com.tw

Introduction

Micronet proudly introduces SP915-1000, high power outdoor Access Point. It is compliant with IEEE 802.11b for providing speed of up to 11Mbps.The AP includes a Web-Based User Interface for easy management of your wireless network. Security is intact with WEP, WPA and 802.1x for preventing unauthorized access in wireless environment. SP915-1000 combining with high power antenna (SP920MA-12) is ideal for distant inter-building connection.

Package Contents

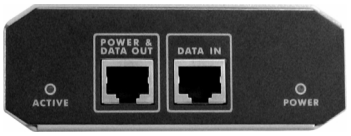
Please verify the following items are in the package:

- SP915-1000 Wireless LAN Outdoor AP/Bridge
- Quick Installation Guide
- Manual CD
- 1.2M 10/100Base-T/TX Ethernet Cable
- 25M Waterproof 10/100Base-T/TX Ethernet Cable
- Wall-Mounting Kit
- AC Power Cord
- Power Injector

Installation

Step 1. Attach a RJ-45 Ethernet cable as follows on the 'Power & Data Out' port.

Step 2. Attach a RJ-45 Ethernet cable from the PC to the 'Data In' port.



Step 3. The connector below is for connecting antenna with an N-type cable.

(**Note:** Antenna is sold separately and not an item included in the SP915-1000 package.)

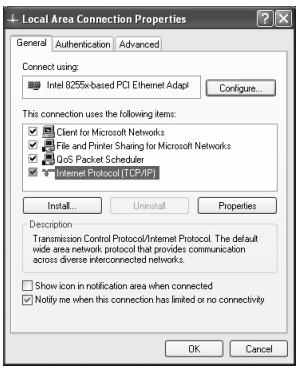
Configuration

Follow the steps below to configure and set up WLAN Access Point.

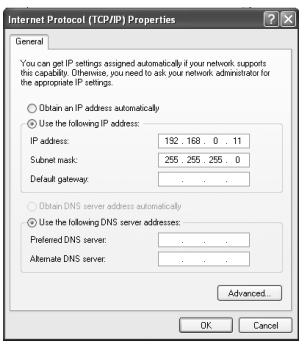
IP Address Configuration

PC/Notebook must belong in the same IP range and subnet. Follow the steps below to configure IP settings for LAN PC.

Step 1. In the control panel, double click on Network Connections. Double click on the local area connection (e.g. LAN). The following screen will appear.



Step 2. Select 'Internet Protocol (TCP/IP)', and then click on the 'Properties' button. The screen will appear to allow entry of TCP/IP settings.


Internet Protocol (TCP/IP) Properties
General
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Obtain an IP address automatically
Use the following IP address:
IP address:
192 . 168 . 0 . 11
Subnet mask:
255 . 255 . 255 . 0
Default gateway:
Obtain DNS server address automatically
Use the following DNS server addresses:
Preferred DNS server:
Alternate DNS server:
Advanced...
OK
Cancel

Step 3. Select 'Use the following IP Address' button and then enter the IP address and subnet mask. Ensure the IP address and subnet mask are on the same subnet as the Access Point. Click on <**OK**> button to save the setting.

Default Values

IP Address	192.168.0.1
Subnet Mask	255.255.255.0
Username	root
Password	root

Web-based User Interface

SP915-1000 is embedded with web-based management user interface and provides a series of web pages, which display the configuration and status of the system. After configuration of IP, the management interface can be access by entering the IP address of the AP into the browser.

Step 1. Login page will appear to prompt users to enter the username and password.